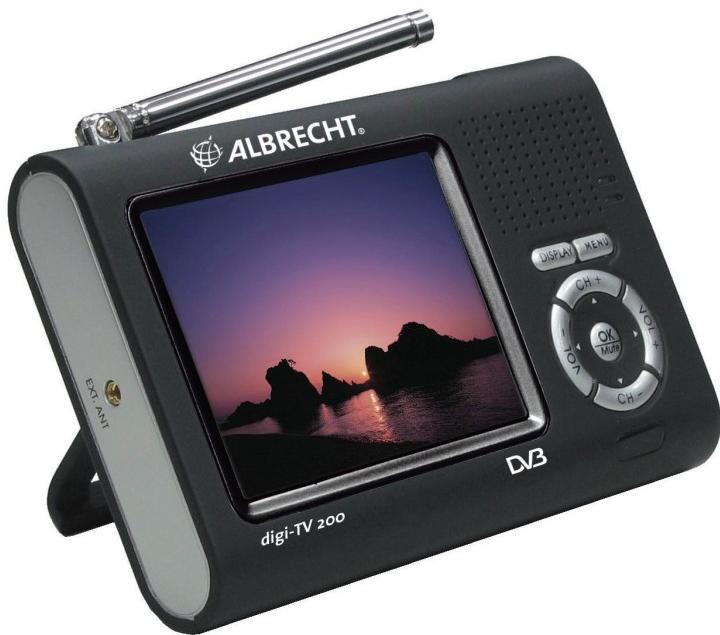




digi-TV 200



User Manual

Important Safety Instructions and Caution



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK ,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE REFER
SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lighting flash with arrowhead symbol • within an equilateral triangle • is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF POWER PLUG TO WIDE SLOT OF AC OUTLET AND FULLY INSERT. (this applies only for USA versions)



PORTABLE CART WARNING DO NOT REMOVE THIS TAG (MARKING)

The words "WARNING, MOVE WITH CARE. THIS CART/APPLIANCE COMBINATION SHOULD NOT BE MOVED BY CHILDREN WITHOUT PROPER GUIDANCE FROM AN ADULT"

OR

An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

S3125A

Electrical energy can perform many useful functions. This unit has been engineered and manufactured to assure your personal safety. Improper use can result in potential electrical shock or fire hazards. In order not to defeat the safeguards, observe the following basic rules for its installation, use and servicing.

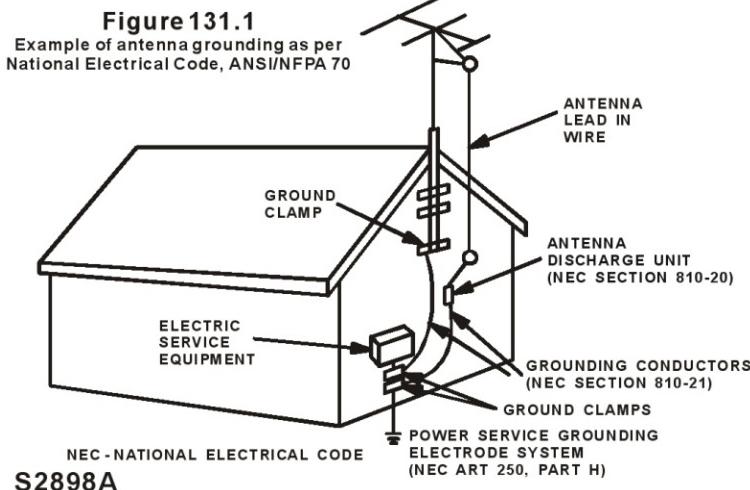
- **1. Read Instructions** All the safety and operating instructions should be read before the product is operated.
- **2. Retain Instructions** The safety and operating instructions should be retained for future reference.
- **3. Heed Warnings** All warnings on the product and in the operating instructions should be adhered to.
- **4. Follow Instructions** All operating and use instructions should be followed.
- **5. Cleaning** Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- **6. Attachments** Do not use attachments not recommended by the product manufacturer as they may cause hazards.

- 7. **Water and Moisture** Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
- 8. **Accessories** Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- 9. **Carts and Stands** The product should be used only with a cart or stand that is recommended by the manufacturer.
- 9A. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
- 10. **Ventilation** Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- 11. **Power Sources** This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- 12. **Grounding or Polarization** This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug (not for Europe).

Alternate Warnings This product is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug (not for Europe).

- 13. **Power-Cord Protection** Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
- 14. **Protective Attachment Plug** The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug. (NOT FOR EUROPE!)
- 15. **Outdoor Antenna Grounding** If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See drawing on next page.
- 16. **Lightning** For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
- 17. **Power Lines** An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- 18. **Overloading** Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- 19. **Object and Liquid Entry** Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

- 20. **Servicing** Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 21. **Damage Requiring Service** Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a) When the power-supply cord or plug is damaged,
 - b) If liquid has been spilled, or objects have fallen into the product,
 - c) If the product has been exposed to rain or water,
 - d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
 - e) If the product has been dropped or damaged in any way, and
 - f) When the product exhibits a distinct change in performance this indicates a need for service.
- 22. **Replacement Parts** When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- 23. **Safety Check** Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- 24. **Wall or Ceiling Mounting** The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 25. **Heat** The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.



Precautions

On Safety

- Do not use wet hands to pull out the plug. It may cause electrical shock.
- If the player does not work, please pull out the plug for safety. Contact us for further technical support.
- Before moving the player, please make sure the power adapter is disconnected from the wall outlet.
- Do not move the player when playing. It may cause a fire or electrical shock.
- Should any solid object or liquid fall into the cabinet, unplug the player and have it checked by qualified personnel before operating it any further.
- If you are not going to use the player for a long while, be sure to disconnect the player from the wall outlet. To disconnect the power adapter, grasp the plug itself; never pull the cord.

On Placement

- Please keep a sufficient distance between the player and a radio set. A sufficient distance is also needed between the player and any other devices with electromagnetic field.
- Please place the player in a location with adequate ventilation to prevent heat build-up in the player.
- Do not place the player on a soft surface such as a rug that might block the ventilation holes on the bottom.
- Do not place the player in a location near heat sources, or in places subject to direct sunlight, excessive dust, or mechanical shock.
- Do not place the player in a location exposed to cool air. Condensation may occur and cause the player work incorrectly.

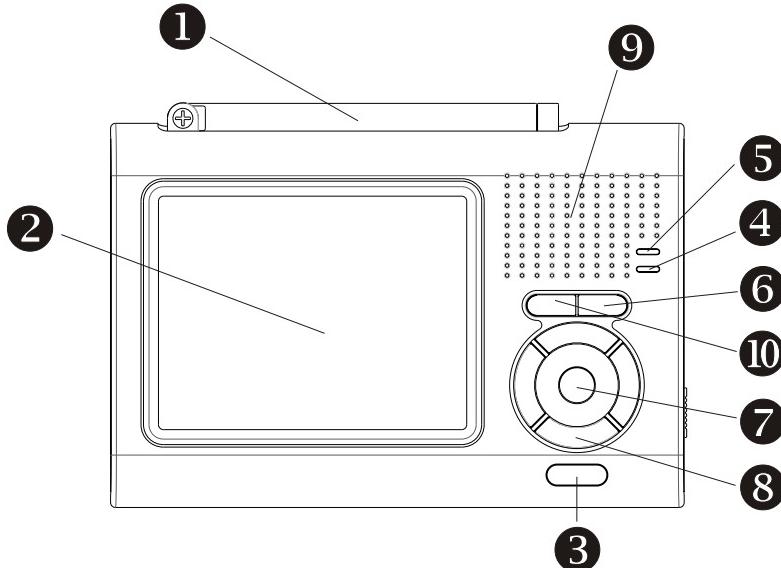
On Operation

- The player may not work because of improper operation. The limited warranty does not cover consequent losses that rise from improper usage.
- Turn off the player when you are watching regular TV program. It may cause a picture distortion.
- The player will not work correctly when affected by exterior elements such as static electricity. In such cases, pull out the power adapter and plug it back to the outlet again.

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Parts of the Handheld TV



① Antenna

② LCD panel

③ Infrared remote sensor

Allow remote controller to navigate this unit.

④ Battery LED

Battery status indicator. When the battery is getting low, the LED will glow red. And after successfully charging, it will glow green.

⑤ Power LED

When the unit operates, the LED will glow green.

⑥ Menu/Exit button

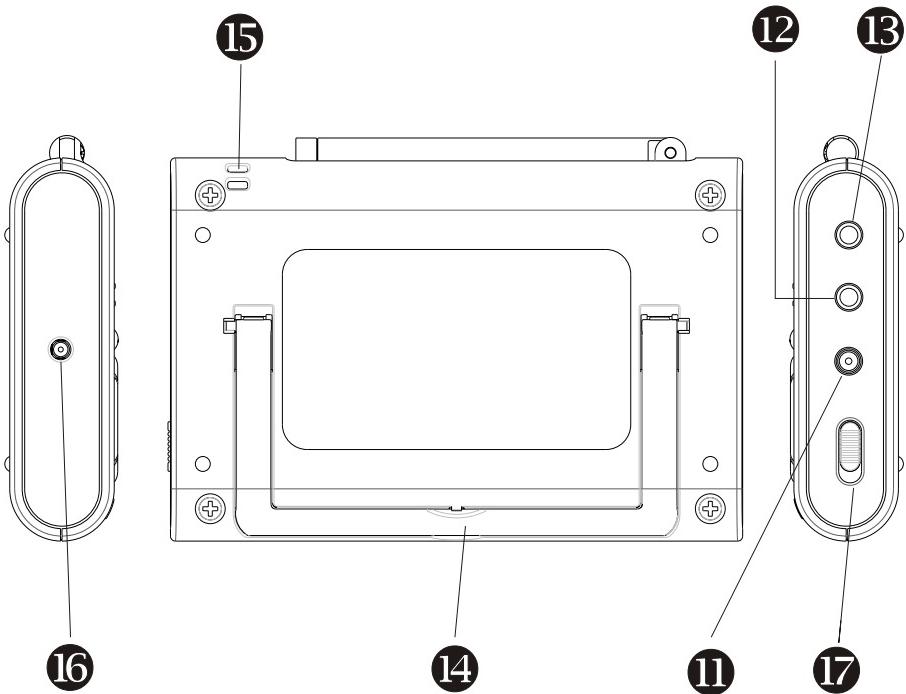
⑦ OK/Mute button

⑧ Multi selector (CH+(▲)/CH-(▼)/VOL+(▶)/VOL-(◀))

⑨ Speaker

⑩ Display on-off control button

❖ ⑥ ⑦ ⑧ ⑩ : Please refer to the page 9 for more detailed description.



⑪ DC power connector

Connect with the AC/DC power adapter or the car cigarette lighter power adapter.

⑫ Video out connector

Output the video signal.

⑬ Earphone/Audio out connector

Output the stereo audio signal.

⑭ Holder

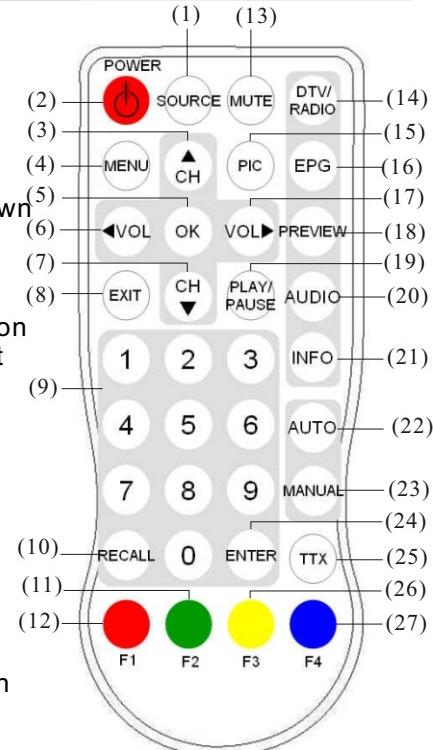
⑮ Eyelet for TV strap

⑯ External antenna connector

⑰ Power switch

Remote Control Operations

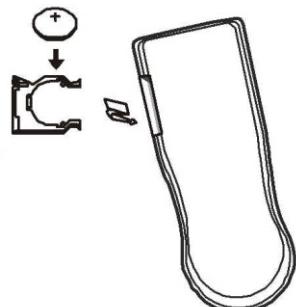
- (1) SOURCE: no function
- (2) POWER: power-on/stand-by selection
- (3) Channel selection up or move the cursor up
- (4) MENU: enter the setup menu
- (5) OK: select the highlight item
- (6) Volume down or move the cursor left
- (7) Channel selection down or move the cursor down
- (8) EXIT: exit the current setup
- (9) Digital keys
- (10)RECALL: return to the last selected channel
- (11)Red button : sub-title key in the normal operation mode or a hot key to go to the browsed Teletext pages in teletext mode
- (12)Green button : a hot key to go to the browsed Teletext pages in the teletext mode
- (13)MUTE: mute control
- (14)DTV/Radio selection
- (15)PIC: no function
- (16)EPG: electronic program guide
- (17)Volume up or move the cursor right
- (18)PREVIEW: preview selected programs
- (19)PLAY/PAUSE selection
- (20)AUDIO: second language, and stereo selection
- (21)INFO: DTV system information
- (22)AUTO: automatic channel scanning
- (23)MANUAL: manually select channels
- (24)ENTER: enter the selected channel no.
- (25)TTX: Teletext key to display Teletext (has to be supported by broadcaster)
- (26)Yellow button : page up in the EPG mode or a hot key to go to the browsed Teletext pages in the teletext mode
- (27)Blue button: page down in the EPG mode or a hot key to go to the browsed Teletext pages in the teletext mode



Remote Control Battery Installation

Before attempting to operate your remote control, install the battery as described below.

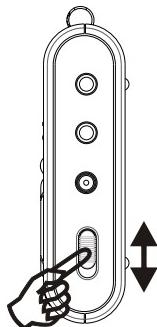
- (1) Turn the remote control face down.
- (2) Press down on the ridged area of the battery cover and slide it off.
- (3) Slide another battery in.



General Operating Instructions



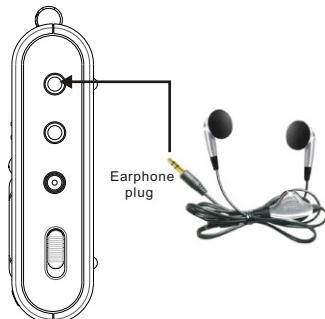
Turning the unit ON or OFF



- To turn on the system, slide the Power switch on the top side of the unit to the position labeled “ON”.
- To turn off the system, slide the Power switch on the top side of the unit to the position labeled “OFF”.



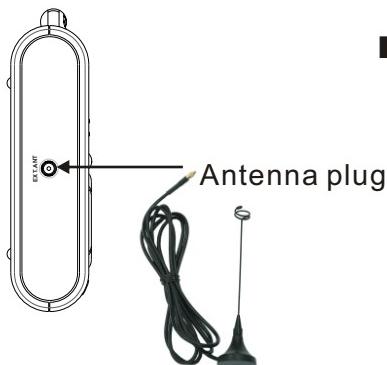
Connecting to the earphone



- Insert the earphone plug into the “” jack on the side of the unit.



Connecting to the external antenna

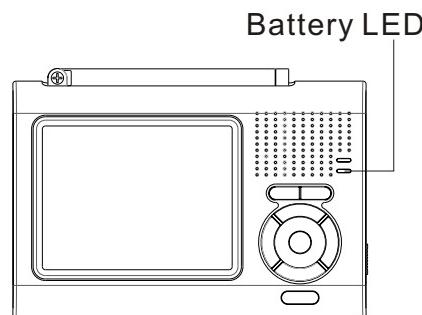


- Insert the antenna plug into the “Ext. ANT” jack on the other side of the unit.

Charging the Battery

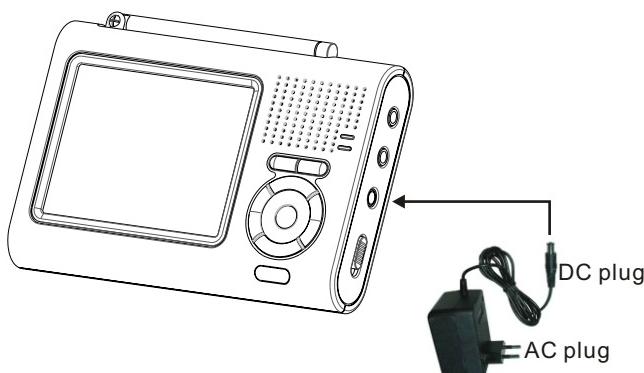
This unit contains built-in a rechargeable battery. When the “Battery LED” lights in red, the battery will stop supplying power to the system. Then, you need to charge the battery. Please follow the steps below.

1. You can watch the TV and recharge the battery simultaneously.
2. Connect the unit to the external power source via AC/DC power adapter or car cigarette lighter adapter. You can refer to the diagram below and in next page.
2. When the battery is being charged, the battery led will glow red.
3. “Battery LED” will turn green after the battery is full.
4. Charge your battery for a minimum of 4 hours to get fully charged.



Connecting to the AC/DC power adapter

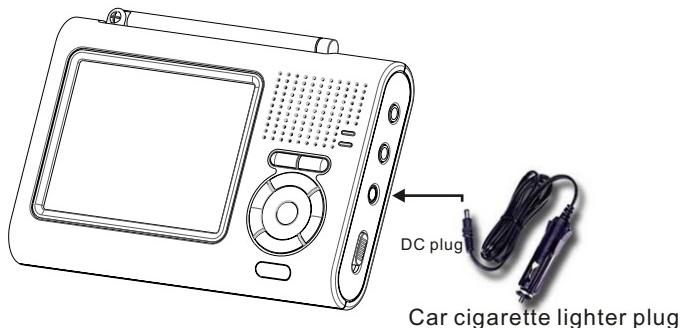
- Insert the DC plug into the “⎓⎓⎓” jack on the side of the unit.
- Attach the AC plug to the AC outlet.





Connecting to the car cigarette lighter adapter

- Insert the DC plug into the “” jack on the side of the unit.
- Attach the car cigarette lighter plug to the car's cigarette lighter power receptacle (12 V cars only).



NOTICE

- **DO NOT**, under any circumstances, use any other model of AC adapter kit or car cigarette lighter adapter to either charge the battery of this unit or supply power to this unit. Failure to observe this precaution could result in overheating or damage to this unit.
- After 300 recharging cycles, the capacity of the battery will be reduced to 70%. Hence, after many times of recharging, please consider replacing the battery.
- The battery may become hot during playing or charging.
- Recharge the battery at room temperature between 0°C and 40°C.

Basic Operation

This section details the basic TV operations. PLEASE NOTE, that this model allows only UHF Band IV and V reception, no Band III.

KEY FUNCTION

UUHF Channel selection

Press [CH+] button or [CH-] button to select the TV/Radio channel

Panel control

Press this button lasting 1 second to turn off or turn on the panel back light.

Menu

Press this button to enter or exit the menu mode .

Volume adjustment

Press [VOL-] button or [VOL+] button to adjust the volume.

Mute control

Press this button to mute or restore the volume.

Make selection

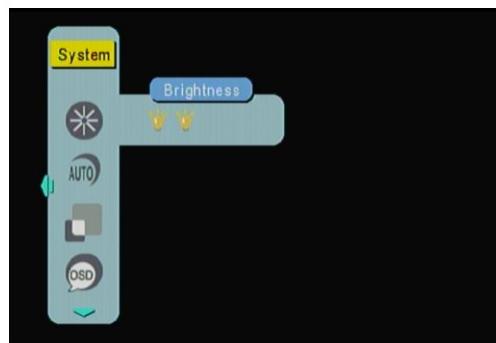
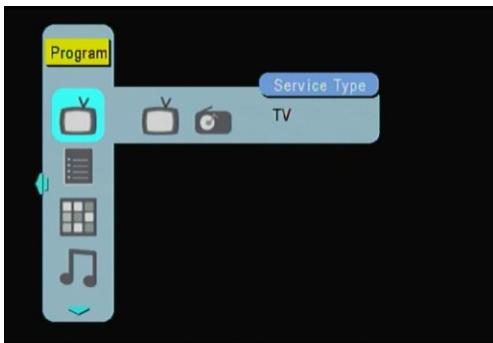
In menu mode, press this button to make selection

Navigating the Menu

In menu mode, press [CH+] button and [CH-] button to move cursor up and down. Press [VOL-] button and [VOL+] button to move cursor left and right.

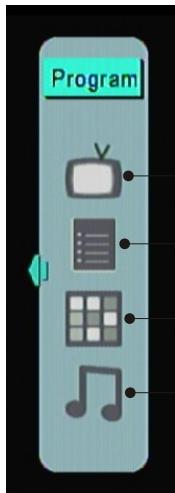
MENU

There are two pages of the menu, including program and system. You can use [VOL-] button to select each page. In the program page of the menu, you can highlight the service type, program list, preview, audio channel, subtitle language, program info, automatic search, or manual search to perform TV program related operation. And in the system page of the menu, you can highlight the brightness, TV system, regional setting, osd language, time zone to adjust the system setting. You can use [CH+] button and [CH-] button to highlight the item and press [VOL+] button and [VOL-] button to select your choice and then press [OK] button to set the setting.





PROGRAM PAGE



- **Service Type**

Selection of either TV or Radio programs

- **Program List**

To show the information of all of the available channels

- **Preview**

To preview up to 9 selected channels

- **Audio Channel**

Selection of either master or secondary language



- **Subtitle language**

To select a subtitle language available from service providers

- **Program info**

To provide the TV program information about the system parameters and signal information

- **Automatic Search**

To search the program channels automatically

- **Manual Search**

To search the program channels manually

SYSTEM PAGE



-  **Brightness**

To adjust the brightness of the screen

-  **TV System**

To select the TV display format

-  **Regional Setting**

To select the region where you are located in

-  **OSD Language**

Selection of the OSD language

-  **Time Zone**

To set the time zone

SUBTITLE

If the system operator provides multi-language subtitle. You can use [CH+] button and [CH-] button to select language and press [OK] button.

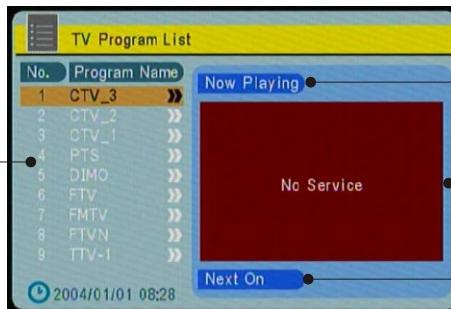




PROGRAM LIST (EPG, Electronic Program Guide)

It shows the information of all of the available channels. You can use [CH+] button and [CH-] button to choose any channel, while [VOL-] button and [VOL+] button are the keys to show the details of the channel.

Program List



• Current program name

• TV scene

• Next on program name

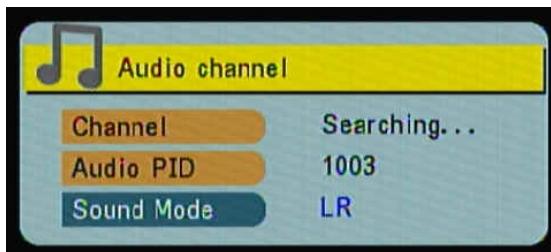
PREVIEW

Preview up to 9 selected channels.



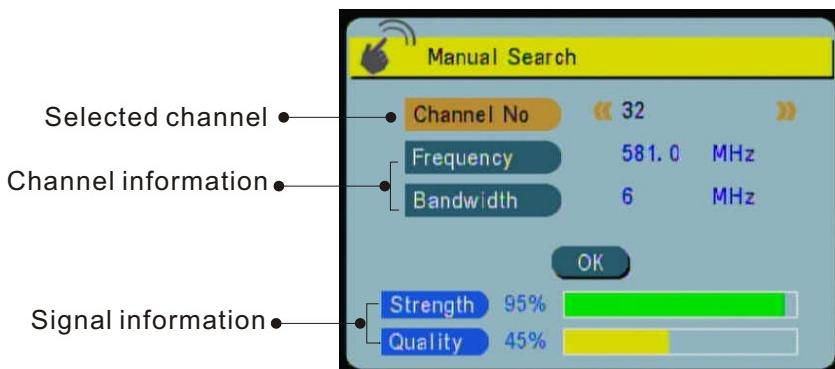
AUDIO

Master/secondary language selection. You can use [VOL-] button and [VOL+] button to select the language you like to listen.



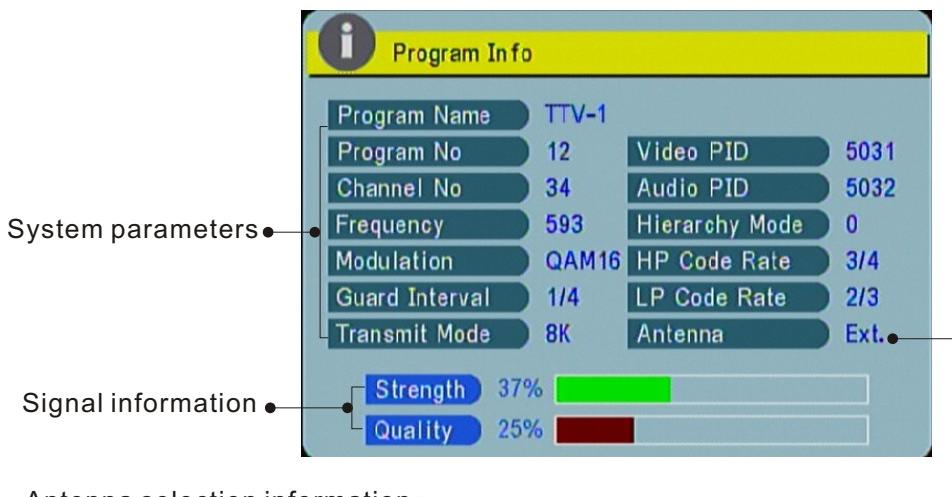
MANUAL SEARCH

You can use [VOL-] button and [VOL+] button to select the desired channel and press [OK] button to perform program searching. The found programs will be appended to the program list.



PROGRAM INFORMATION

It provides you the TV program information about the system parameters and signal information. Press [MENU] button to exit the screen.

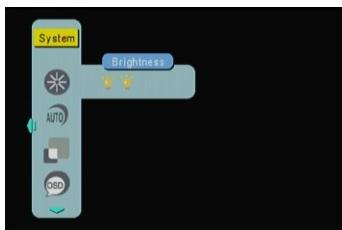


Antenna selection information

First Time to Setup

When the first time this unit is turned on, please follow the following steps to finish the initialization.

1



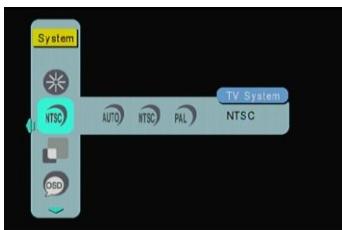
Press [MENU] button first and then press [VOL-] button to enter the menu for system configuration selection.

2



Press [VOL+] button to adjust the brightness level of the display and press [OK] button.

3



Press [VOL+] button and highlight your TV system output and press [OK] button.

4



Press [VOL+] button and highlight your OSD language and press [OK] button.

5



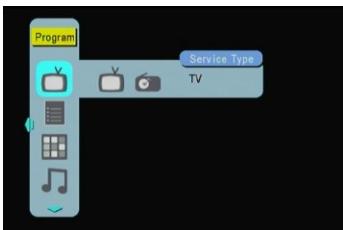
Press [VOL+] button and highlight your region and press [OK] button.

6



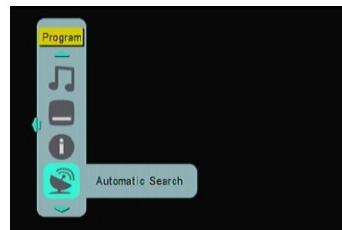
Time will automatically set by your region. If you need to correct it, press [CH+] button or [CH-] button to adjust the time.

7



Back to the top of menu and press [VOL-] button to enter program menu screen.

8



Highlight the automatic search item and press [OK] button.

9



Highlight the **OK** item and press [OK] button.

10



Channel searching will take a few minutes.

11



When the channel searching is over, press [CH+] button or [CH-] button to select the program.

12

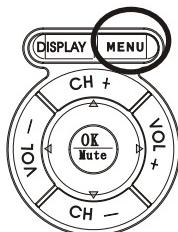


You could press [VOL+] button or [VOL-] button to adjust the volume.

Automatic Channel Searching Steps

When you move to a new region that the system provider is different from the one before, you need to re-search the program channel. Please follow the following steps to do the channel searching.

1



Press the [MENU] button to enter the menu screen.

2



Press [VOL-] button and highlight your location and press [OK] button.

3



Highlight the automatic search item and press [OK] button.

4



Highlight the **OK** item and press [OK] button.

5



Channel searching will take a few minutes.

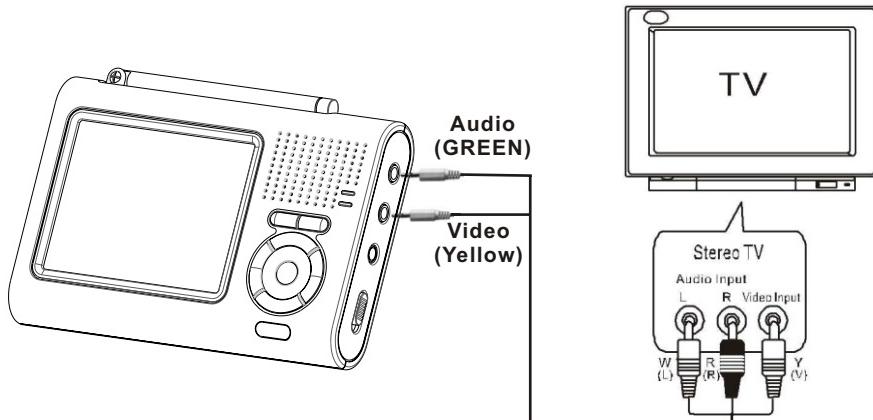
6



When the channel searching is over, press [CH+] button or [CH-] button to select the program.

Connection to TV Set

When you want to connect the unit to a television, please refer to the manual of the equipment to be connected as well. Before connecting the Handheld TV to other equipments, please turn power off and unplug all equipments from the wall outlet.



NOTICE

DO NOT connect unit through your video cassette recorder when setting up your home entertainment system, because the picture may not be played correctly due to the copy guard. If your TV set does not have RCA /Cynch sockets for A/V, please purchase a Cynch/RCA Adapter for the TV's Scart socket.

Trouble Shooting Q&A

Before requesting service for this unit, check the table for a possible cause of the problem. You are may eliminate problems and restore the proper operation after you check out the following table and do some minor adjustment on your part.

Problem	Possible Reason	Solution
No picture, no audio	The battery power is too low.	Recharge the battery power.
	Power cord is not properly hooked up.	Check the power cord connection.
	The unit is not powered on.	Slide the "POWER SWITCH" to "ON" position.
The number of DVB-T channels is not as many as we expected.	The no. of stored channels is small.	Please perform "Auto search" or "Manual search" function to re-scan all of the channels.
	Signal Quality Level of certain TV channels is too low.	Please use external antenna instead of the built-in antenna to increase the sensitivity.
	Certain TV channels are not provided locally.	Only UHF channels can be received
All of the channels show "No Signal" or mosaic tiles appear on the display	Signal Quality Level of certain TV channels is too low.	Please use external antenna instead of the built-in antenna to increase the sensitivity.
	Wrong antenna is used.	Please use the antenna in the product package.
	No DVB-T service is provided in the area.	No way to watch analog TV service.
Video is good, but no audio	The voice volume is turned too low.	Click the "VOL + " button to raise the volume.
	The audio is muted.	Click the "MUTE" button to disable the mute function.
Remote control does not work	No power.	Check the battery of the remote controller.

Specification

Display	3" LTPS TFT-LCD for UHF band Digital TV with 960 dots x 240 lines resolution Brightness: 350 nits; Contrast ratio: 300:1 Wide view angle: 110° (Horizontal) / 105°(Vertical)
Antenna	Built-in telescopic antenna for UHF band reception Support external antenna input (only UHF band reception possible)
Speaker	Built-in 0.5W/8Ω speaker
Output	3.5mm Video connector
Interfaces	3.5mm Earphone connector
LED indicators	Power LED (Operation: green) Battery LED (Charging: red, charging completed: green)
Controls	Infrared Remote Control 7 Keys: CH+(▲), CH-(▼), Vol+(►), Vol-(◀), Menu (Exit), OK (Mute), Display Power on/off slide switch
OSD Languages	English, German, French, Portuguese, Spanish, Italian, Dutch
Features	DVB-T TV/Radio, auto channel search, EPG, channel preview, teletext, subtitle
Power supply	100/240V AC power adapter with 5V/1.4A DC output
Battery	Built-in 3.7V/2000mAh rechargeable polymer battery (It's estimated that 70% full-of-scale energy remained after 300 cycles of recharging use.)
Operating time	Typical 3hr average, up to 4 hr max.
Dimensions	123 x 80 x 22.4 (mm)
Weight	210g (including rechargeable lithium polymer battery)



This TV receiver does not contain hazardous material and is RoHS conform.

It complies to all relevant requirements of European Directives, like EMC, LVD, RoHS and WEEE and carries the CE marking.



Please take care that defective electronic items will not be disposed into normal household trash. Specialized collecting points will accept Your electronic waste free of charge and will take care for effective recycling of all electronic products.

You may download all technical documents and the Declarations of Conformity for our products anytime from our server:

<http://www.hobbyradio.de>

NOTE: This TV receiver is designed only for digital TV reception (DVB-T) in the UHF Bands IV and V (= channels 21-69). In some locations in Germany Band III transmitters are in operation. In these regions not all TV programs can be watched.

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